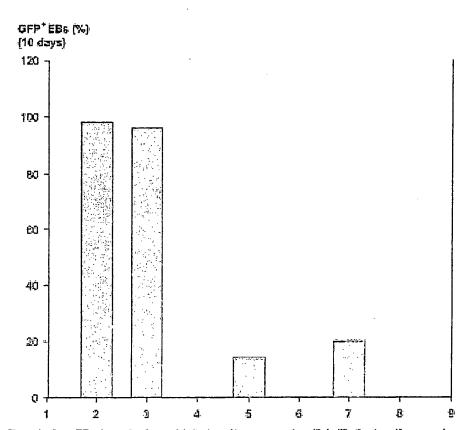
Protocol 2 Protocol 1 Generation of EBs from low-density Generation of EBs from high-density cell suspension cell suspension 4 ml suspension with 2x106 ES cells/ml 10 ml suspension with 0.2x108 ES cells/ml Agitation for 6 h at 50 rpm Agitation for 48 h at 50 rpm 2x20 ml Dilution 1:20 into 2 T25 flasks 20 ml suspension with 1000 EBs 20 ml suspension with 1000 EBs Agitation for 12 - 18 h at 50 rpm 20 ml suspension with 1000 EBs 0,0,0,0,0,0,0,0,0,0,0 Final dilution of EBs after 48 h, suspension culture for differentiation of cardiomyocytes

Fig. 1

Final dilution and sorting of single EBs into 96-well plates, adding of test compounds



Days before EBs transfer from high density suspension (0,1 dilution) to the vary low one (< 0,001)

Fig. 2

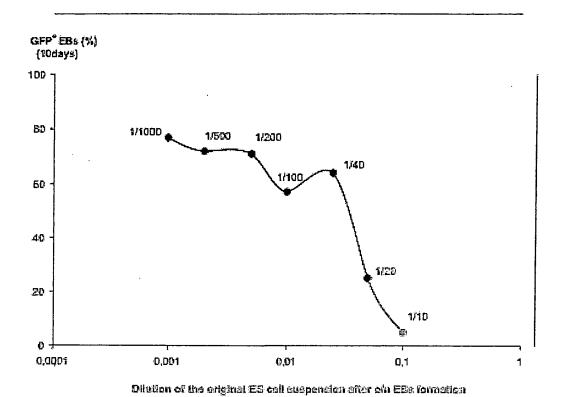


Fig. 3

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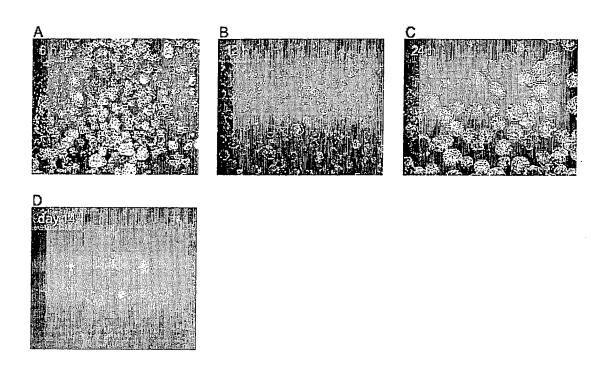
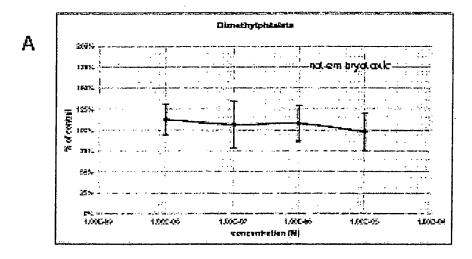
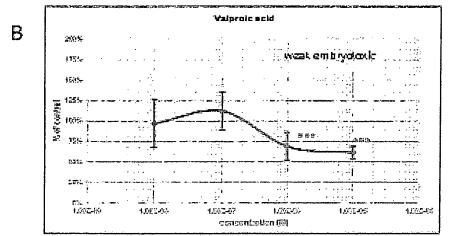


Fig. 4





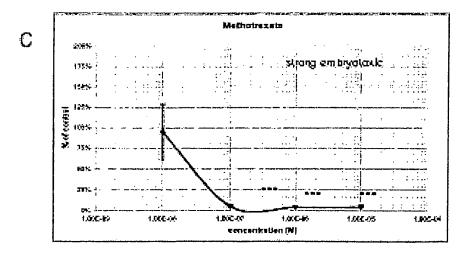


Fig. 5

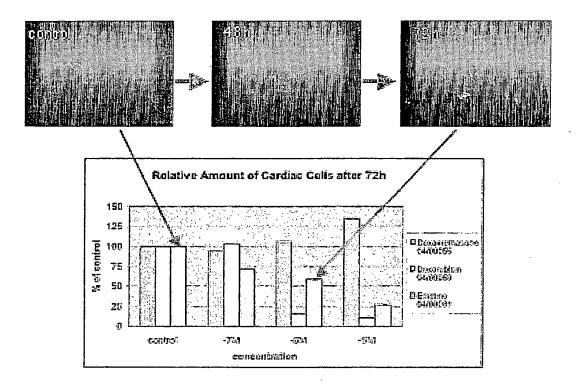


Fig. 6